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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines,		
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )			Where Relevant Passages or Relevant Figures Appear	<b>∓</b> ⁵	
	1	WO 00/04478	01/27/00	Jonsson	***		

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1	2 "A Browser-Based System to Support & Deliver DE," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998
	"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72 Dec. 1992.
1	"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. Of Artificial Intelligence in Education, pp. 307-314, Aug. 1995
	"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990 January 1990, pp. 1-24 and 2 pgs. of references
:	"A Special Section Goal Based Scenarios: A New Approach to Professional Education Reengineering Education at Andersen Consulting," Educational Technology, NovDec. 1994
, ]	7 "An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9 Sep. 1997.
	"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education pp. 592-94, Dec. 1997
١	9 "Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. Of Artificial Intelligence in Education, pp. 39-46 Dec. 1997
t	"Artificial Intelligence and Mathematics Education" a http://www.rand.org/hot/mcarthur/Papers/aied.html
t	"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" a http://www.cs.umass/edu/~tmurray/papers/ATSummary/AuthTools.html
	12 "Automate Your Business Plan" at www.business-plan.com/screen2.html
,	"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man and Cybernetics, Vol. 24(6), pp. 863-74, June 1994
	14 "Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html
	15 "BrainMaker Neural Network Application Examples" at www.calsci.com/Applications.html
	16 "Brainmaker" at www.npiec.on.ca/~echoscan/28-04.htm
f	"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. C 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997
	"CAPTOR a model for delivering web based intelligent tutoring system technology", IEEE Proc DASC vol. 2, pp 5.C.4.1-5

JUN 10 2004

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	19	"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
	20	"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, NovDec. 1994	ÆΙ
	21	DDD-A Free Graphical Front-End for UNIX Debuggers, Jan. 1996, ACIVI Sigplan Notices, vor. 31, 1	117
	22	"Decision Pro3.0" at www.vanguardsw.com/	1 1 1
	23	"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 74(5), Dec. 1997	gy Ce
	24	"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
	25	"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996, pp. 543-549.	
	26	"Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997	
	27	"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
	28	"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
,	29	"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html; viewed Feb. 15, 1999.	
	30	"Enhancing Simulation Education with Intelligent Tutoring Systems," Proc. Of the 1996 Winter Simulation Conf., pp. 675-80, Dec. 1996	_
	31	"Evaluating Intelligent Tutoring with Gaming Simulations," Proc. Of the 1995 Winter Simulation Conf., pp. 1376-83, Dec. 1995	
	32	"Evaluating the effectiveness of feedback in SQL-tutor", IEEE, proc. Int. workshop IWALT, pp 143-144	
$\checkmark_{l}$	33	"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
	34	"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997	
	35	"Goal-Based Scenarios and Business Training: A Conversation with Roger C. Schank," Educational Technology, NovDec. 1994	
	36	"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, NovDec. 1994	
	37	"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	
	38	"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	
	39	"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	
	40	"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
	41	"Interface design issue for advice-giving expert systems", Comm. Of the ACM, vol 30, no. 1, pp14-31	
	42	"KBLPS Overview" at www.cgi.com/CGIWEB/KBLPS/overindex4.html	
	43	"Kiplinger TaxCut Press Releases" at http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html	
·	44	"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	



OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Cite T<sup>2</sup> Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue \_No.<sup>1</sup> Initials \* number(s), publisher, city and/or country where published. "Microworlds and Simuworlds: Practice Fields for the Learning Organization," Spring 1996, 45 Organizational Dynamics Vol. 24, No. 4, pp. 36-49 "MUSE U.S. Patents" OCCAM Research Corporation, at www.muser.com/html/patents.html 46 "News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html 47 48 "No More Boring CPE," July 1997, Accounting Technology, pp. 27-35 "Object Lens: A "Spreedsheet" for Cooperative Work", ACM Transactions on Information Technology Center 2100 49 1988 at www.acm.org/pubs/toc/Abstracts/tois/59298.html "Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in 50 Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982 "Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, 51 Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. "Popular Theory Supporting the Use of Computer Simulation for Experiential Learning." 52 http://www.centurionsys.com/rtcl57.html, Aug. 1997 53 "Practical methods for automatically generating typed links", ACM Hypertext, pp 31-41 54 "Projects: FinPlan System" at www.rriai.org.ru/FinPlan/ "RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation 55 Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997 "Rule-Based Programming with OPS5" at www.mkp.com/books\_catalog/O-934613-51-6.asp 56 Technology and Parallelism Learning Environments" 57 http://www.to.utwente.nl/prj/min/Book/chapter1.htm "Smart Avatars in JackMOO." Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 58 156-63 "SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World 59 Conf. On Artificial Intelligence in Education, pp. 123-130, Aug. 1995 "Smartlaw: adapting classic expert system techniques for the legal research domain", ACM pp 133-60 "Socialized Worlds" URL: Collaborative Learning Multimedia Virtual 61 http://www.iscs.nus.edu.sg/labs/learning/lels/VRML.html; viewed Feb. 16, 1999 "Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, 62 No. 1, Feb. 1999 63 "Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74 "Teaching Through Case-Based Reasoning: An ITS Engine Applied to Business Communication," 64 Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 111-18 Dec. 1997 "Teaching with the internet" 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222 65 Report: Computer Aided Education Initiative" "Technical Training 66 http://advlearn.lrdc.pitt.edu/advlearn/papers/FINALREP.html 67 "Developing a WFT Workflow System", Workflow Template, Chapter 8, 1998, pp. 8-1/8-23 "The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The 68 Institute for the Learning Sciences, March 1993, pp. 1-58 69 "The Lisp Tutor," Byte, pp. 159-75, Apr. 1985 "The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at 70 http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html "The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World 71 Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997 "The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, 72 Conference Proceedings, Vol. 2, Nov. 4-7, 1998 73 "Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154



		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	74	"TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html	
	75	"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Mangement Information Systems: JMIS, Vol. 14, No. 3, pp. 109-140.	
	76	"User-Sensitive Multimedia Presentation System," IBM Technical Disclosure Bulletin, March 1, 1996, Vol. 39, No. 3, pp. 93-94	
	77	"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
	78	"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997	
	79	"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
	80	"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
	81	"Why Should the Teens Have All the Best Games? Management Skill with Oil, Health, Housing Games," Computergram Int'l, June 176, 1996	
	82	"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.lrdc.pitt.edu/its-arch/papers/tam.html	
	83_	"Computer Dictionary", 1997, Microsoft Press, 3 <sup>rd</sup> Ed., pp. 264, 276, 383, 446, 462, 507.	
	84	"Flexible Learning", Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+	
V	85	"The Prototype of the Virtual Classroom", Interactive Multimedia Distance Learning (IMDL): NLII Viewpoint, Fall/Winter 1997	
	86	"Multimedia Training Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-26	
	87	"The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story", 1996.	

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